

Figure 1

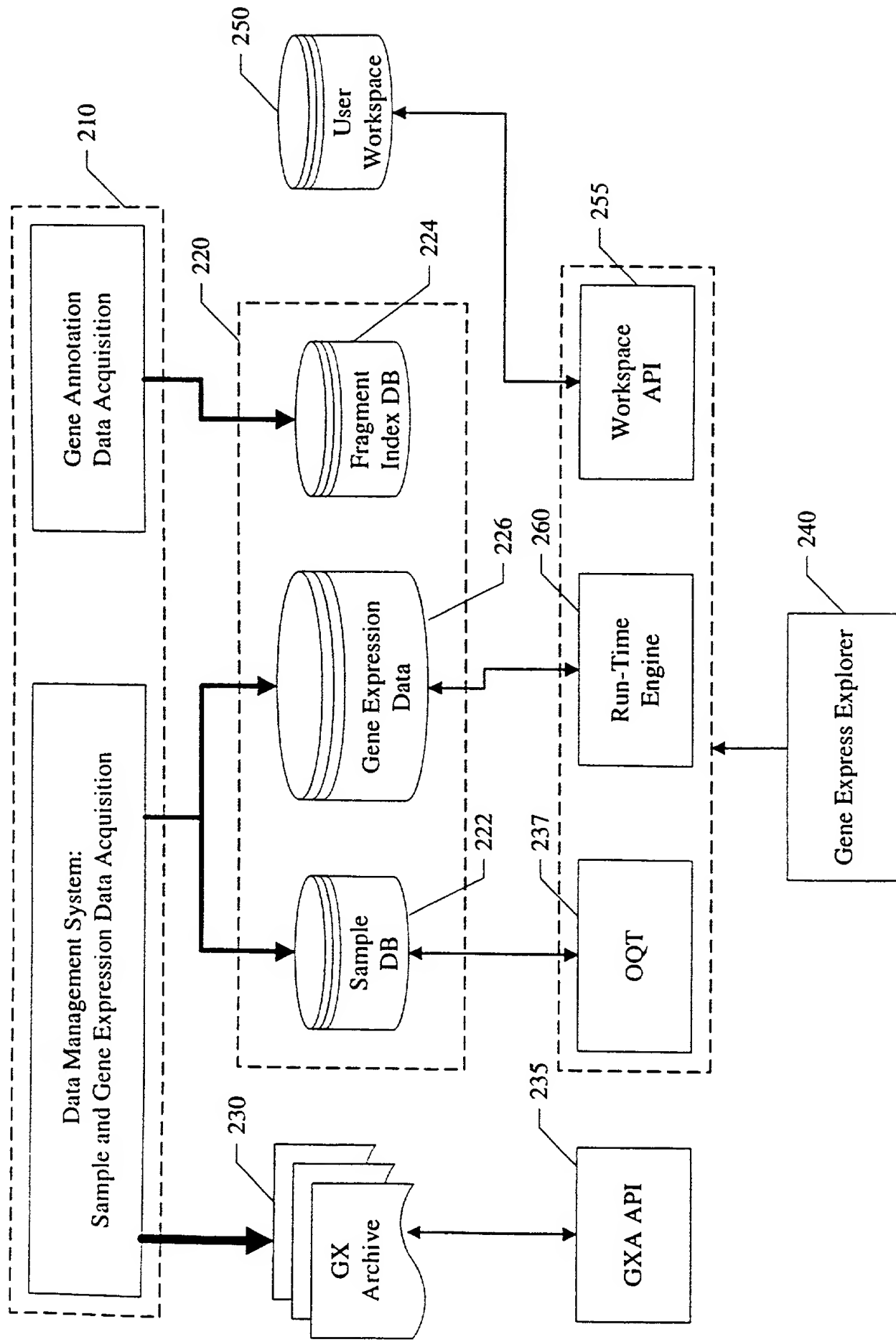


Figure 2

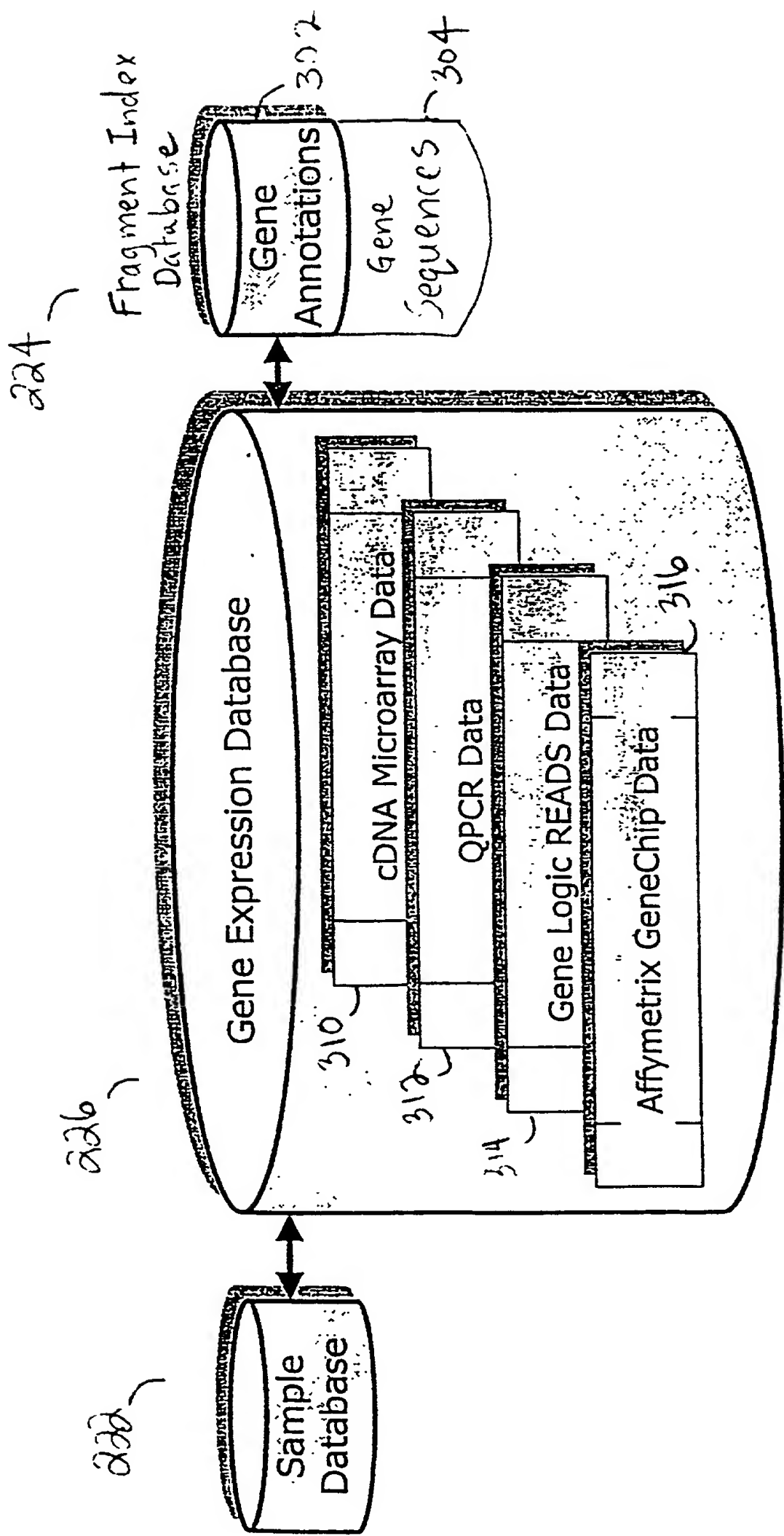


Figure 3

Sample Attributes

Biosample	Donor	Study
<ul style="list-style-type: none">• species (human,rat)• type (tissue, cell)• organ (brain, liver, bone)	<ul style="list-style-type: none">• gender• chemistry report• hematology report	<ul style="list-style-type: none">• name• begin Date• end Date• description• time/dose groups
Tissue <ul style="list-style-type: none">– excision date– time to freezing	Human Specific <ul style="list-style-type: none">– age– race– smoking Use– alcohol Use	Per Group <ul style="list-style-type: none">– treatment agent– sampling time– admin time– dosing regiment– other repeated observation
Cell Culture <ul style="list-style-type: none">– type (primary, passaged,..)– cellural type– time after harvest– isolation method	Animal Specific <ul style="list-style-type: none">– strain– weight– age at sacrifice	

Figure 4

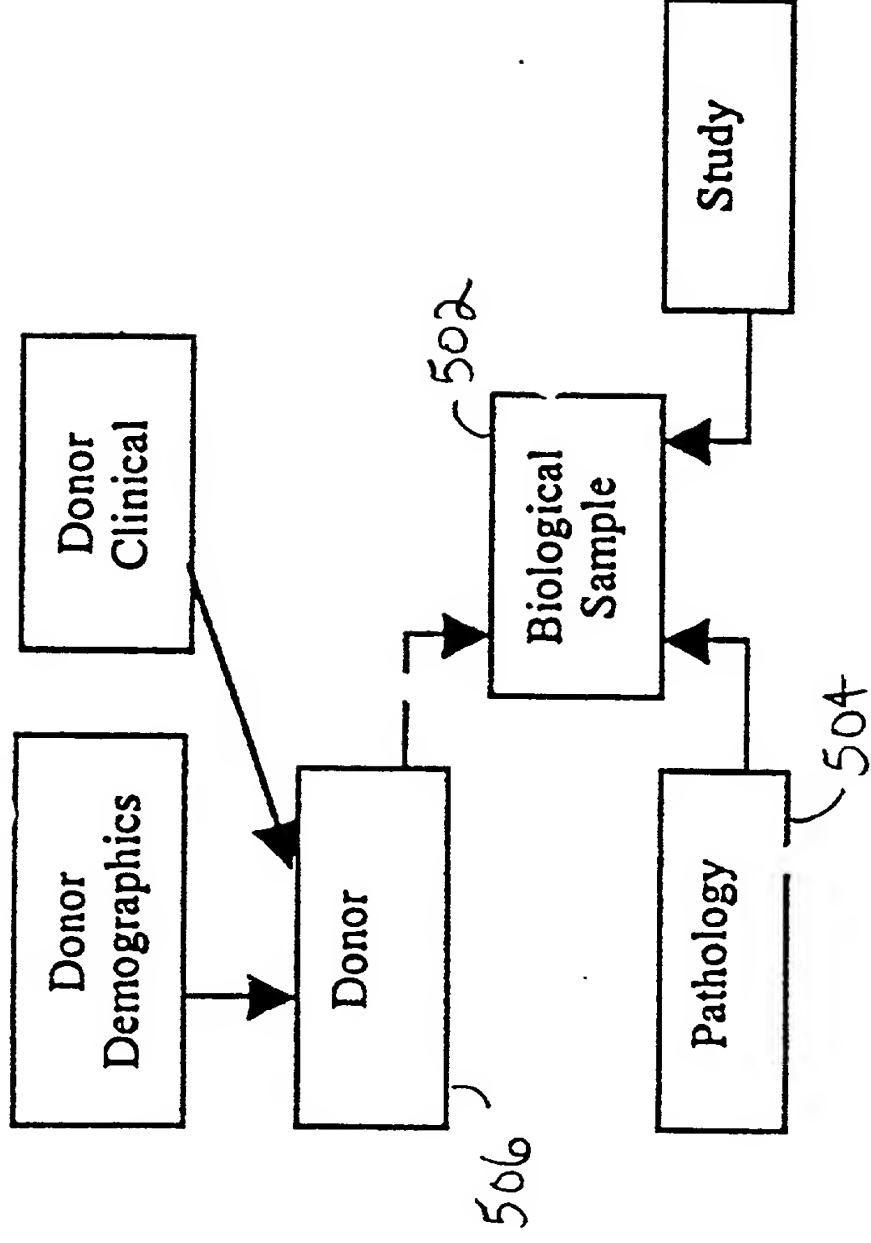


Figure 5

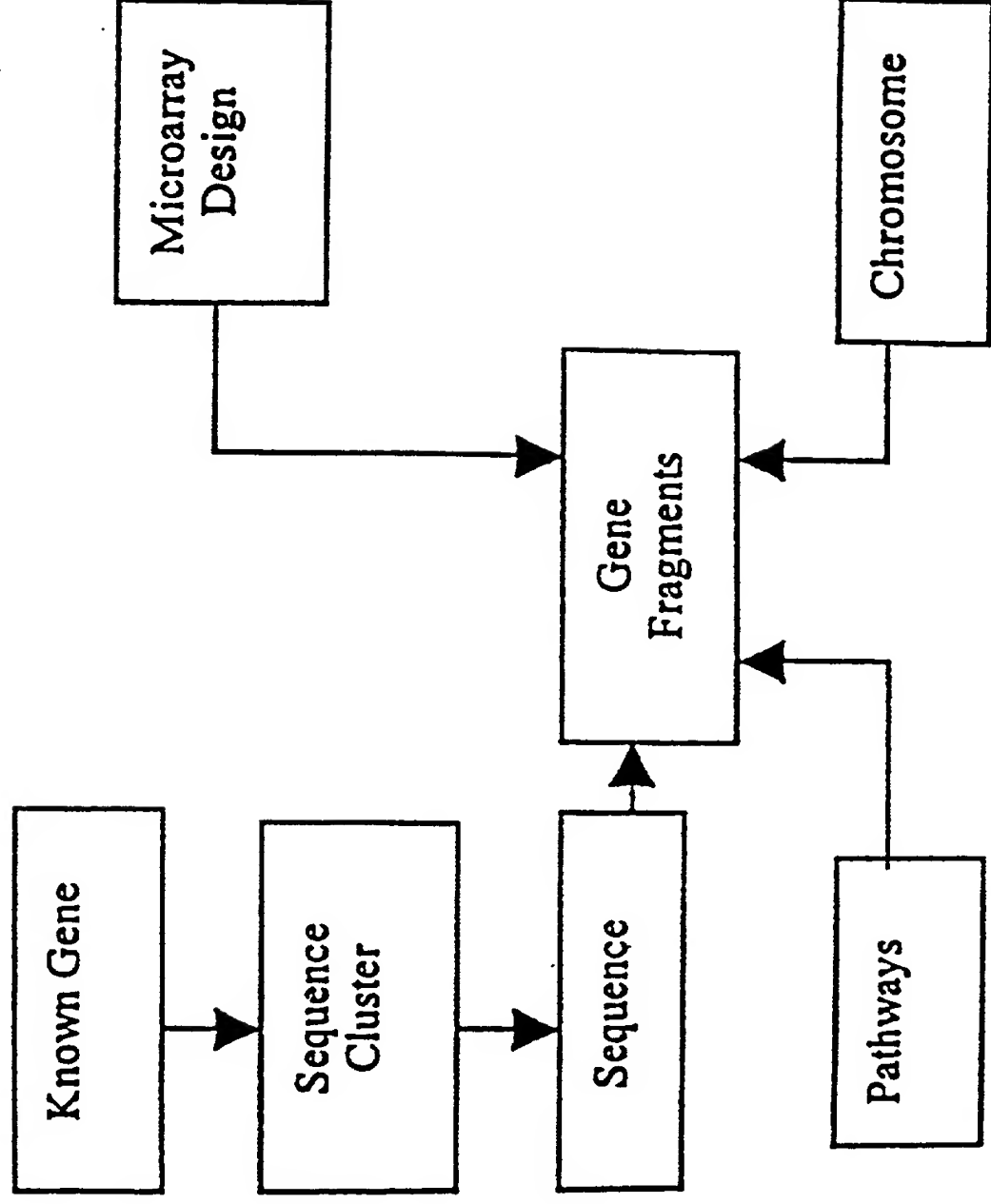


Figure 6

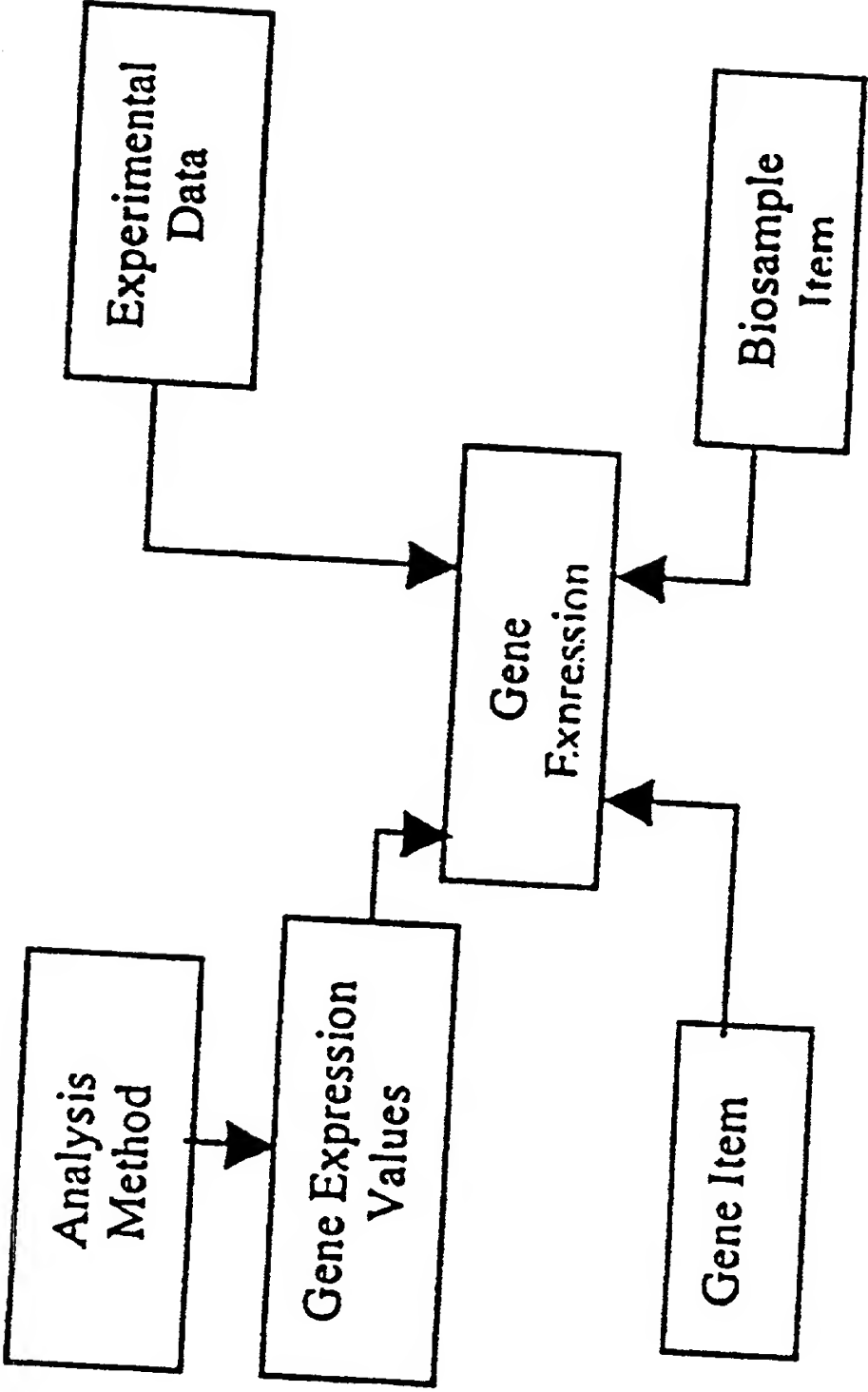


Figure 7

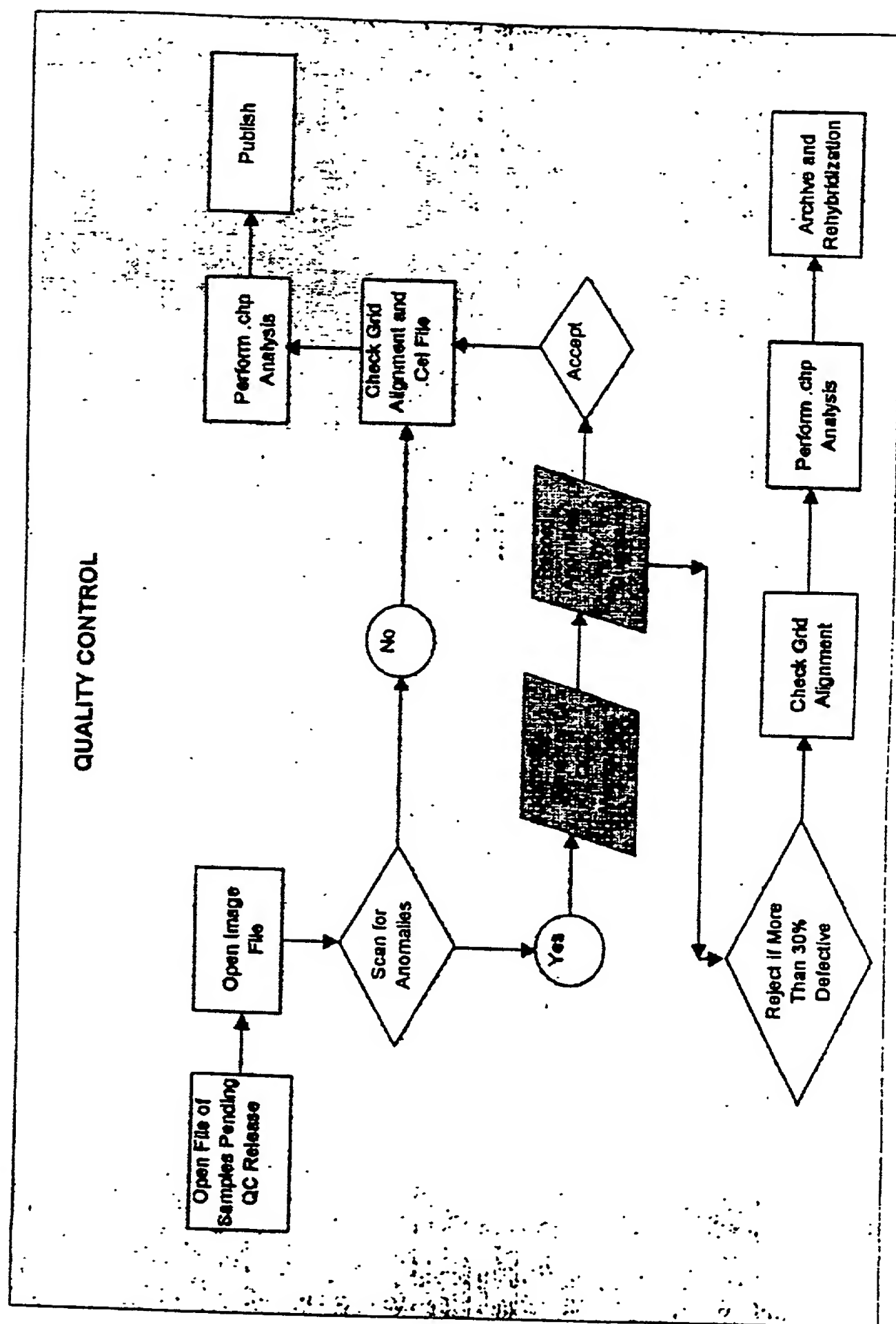


Figure 8

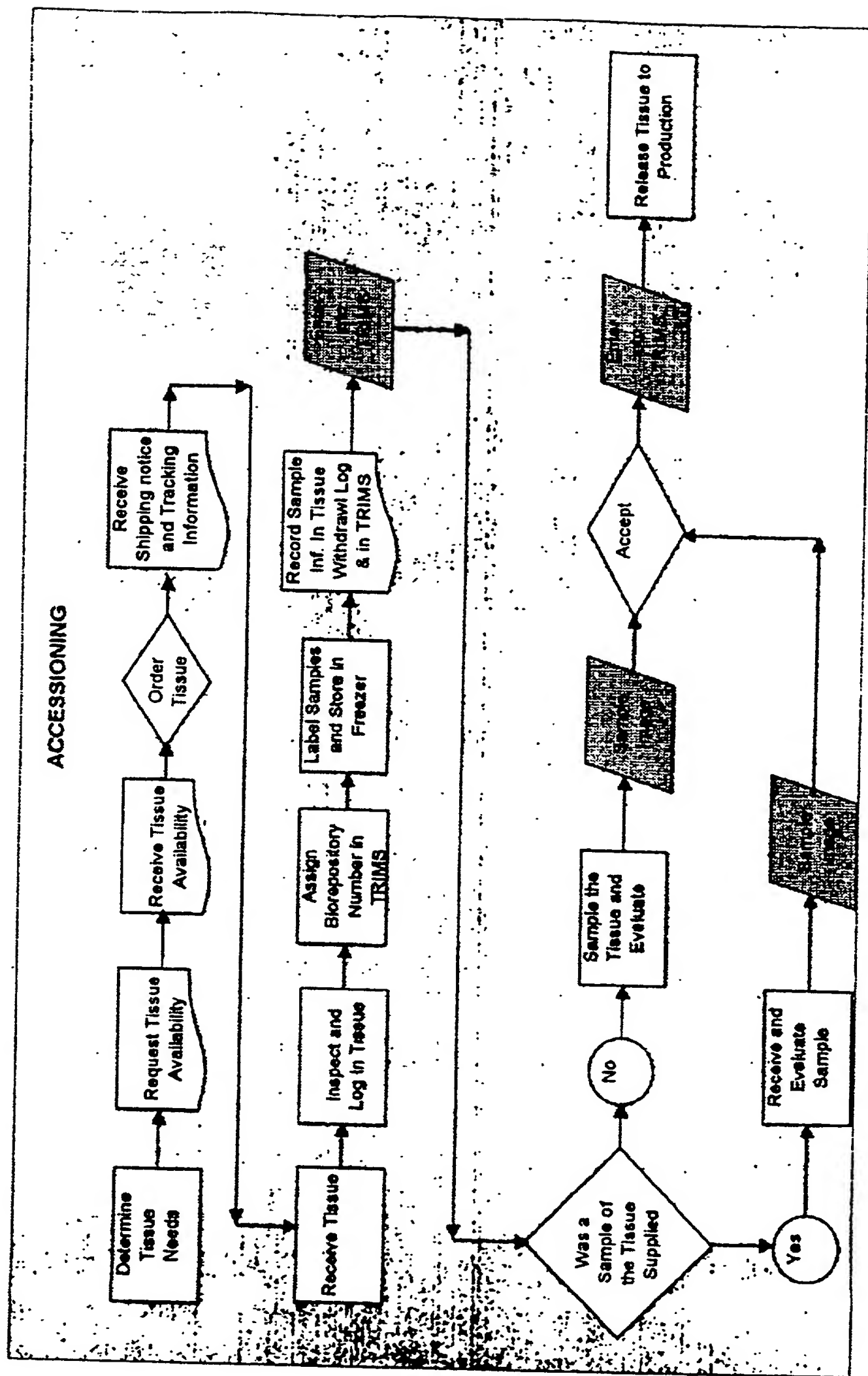


Figure 9

GeneExpress Process Flow

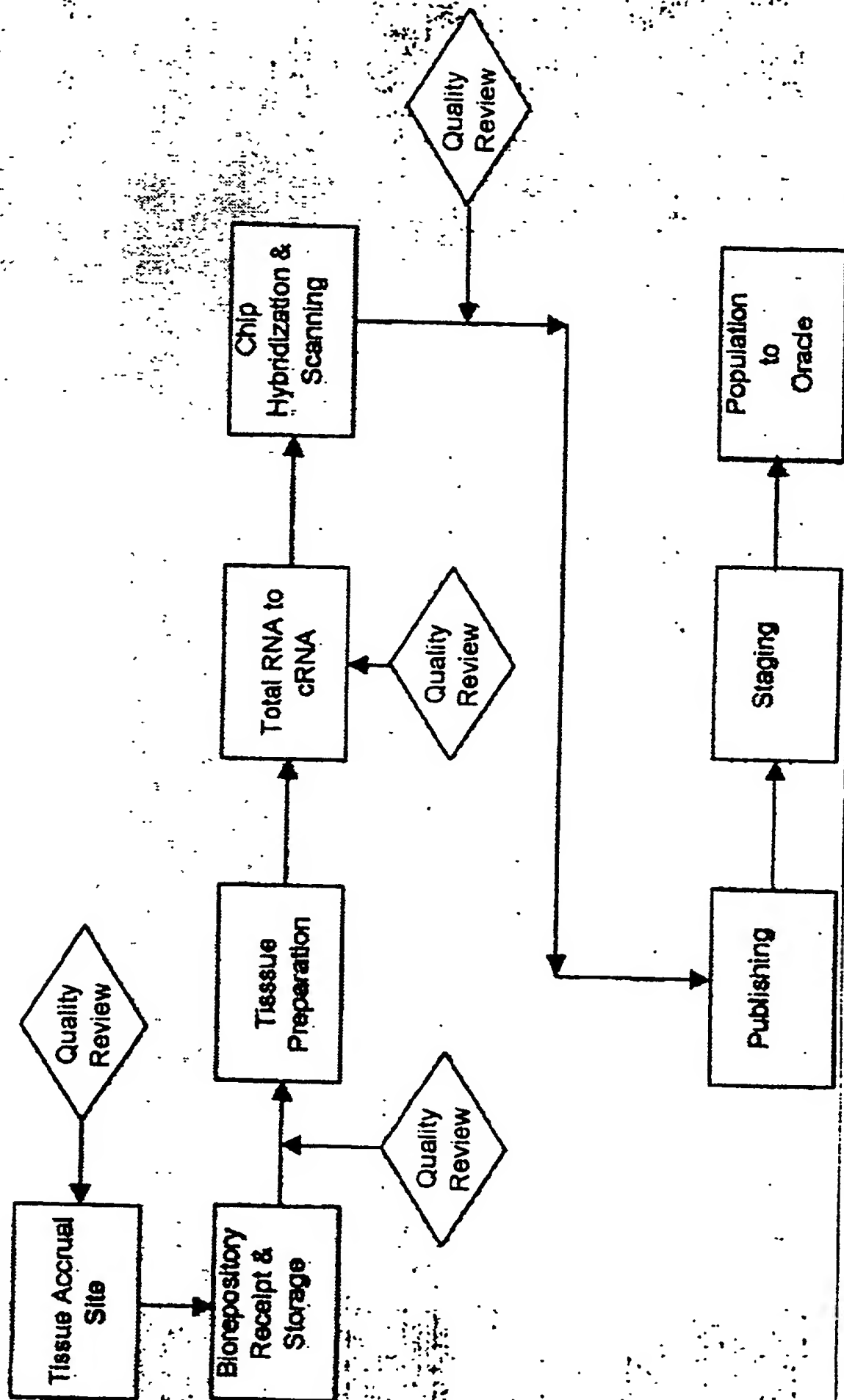


Figure 10

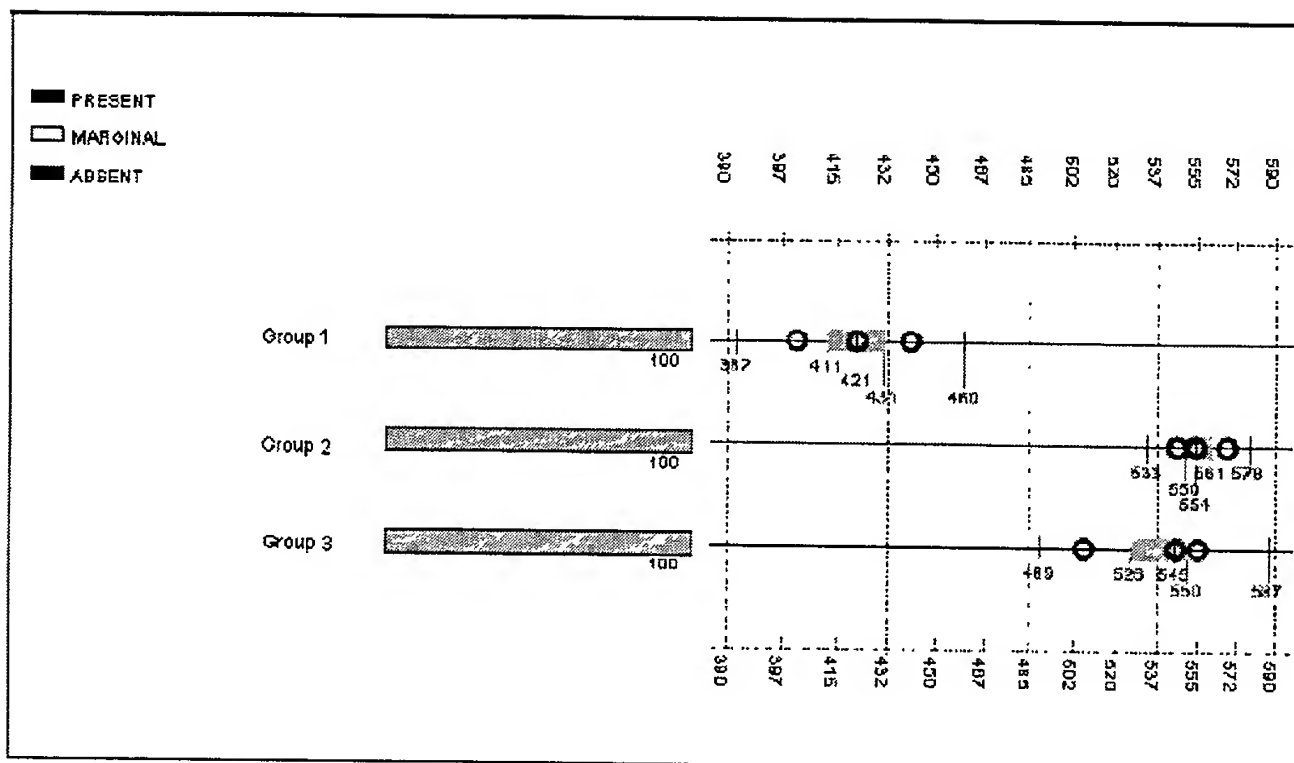


Figure 11

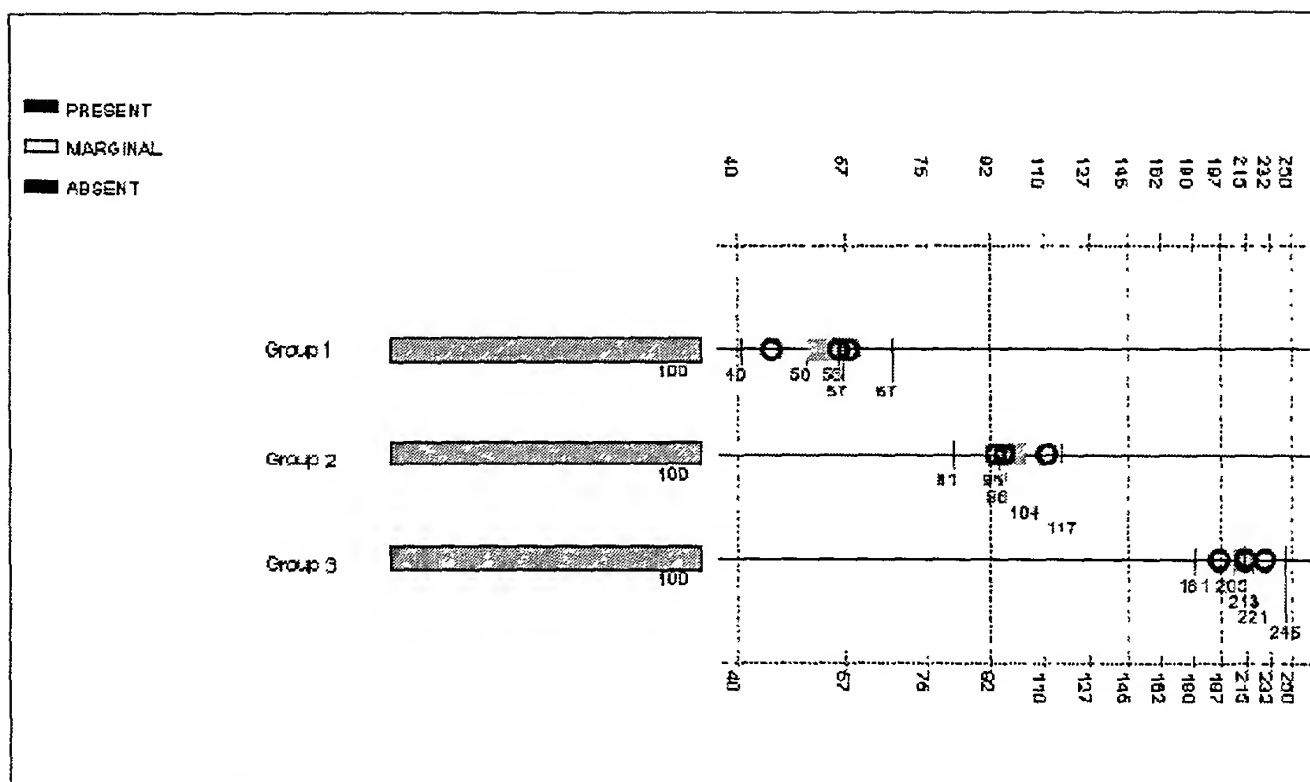


Figure 12

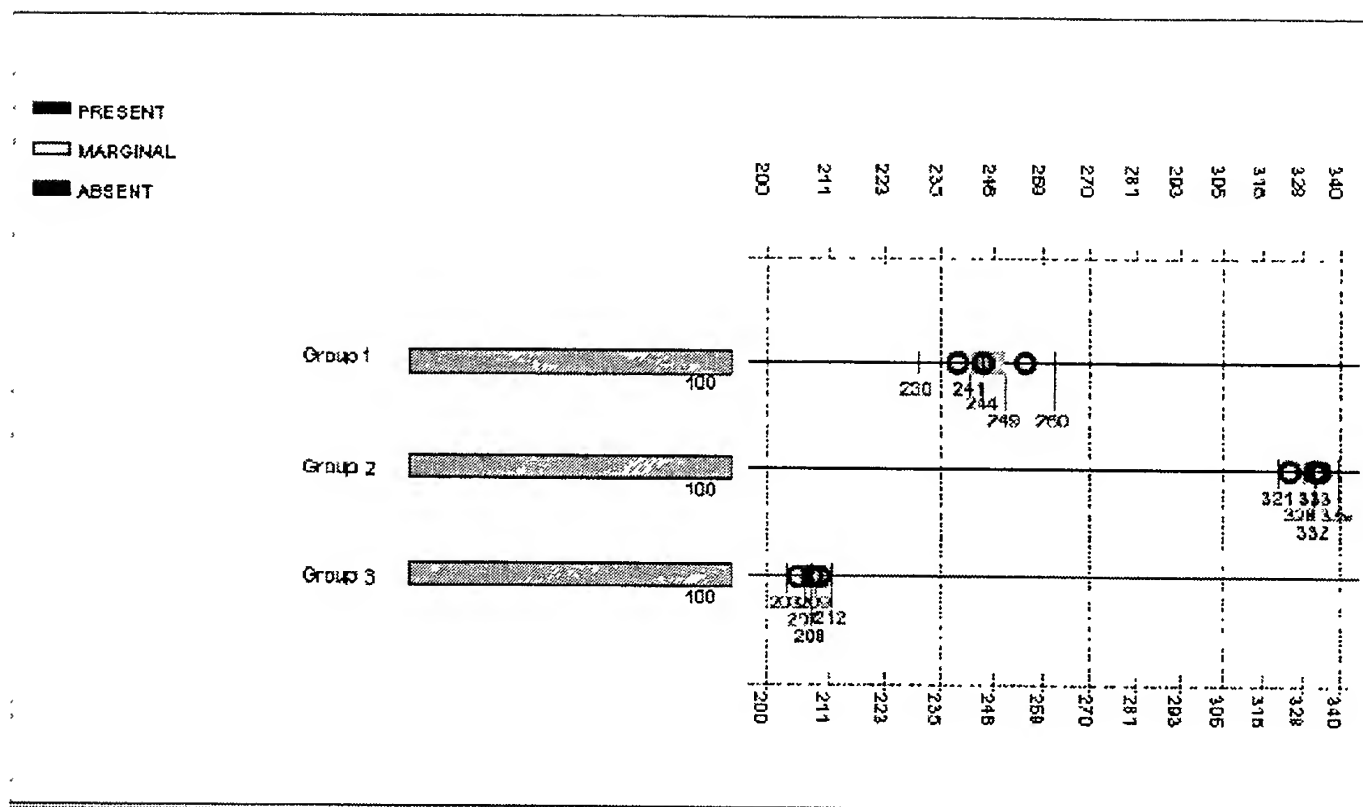


Figure 13